(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 11 November 2004 (11.11.2004)

PCT

(10) International Publication Number WO 2004/096490 A2

(51) International Patent Classification⁷:

B230

(21) International Application Number:

PCT/US2004/010801

(22) International Filing Date: 8 A

8 April 2004 (08.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/463,831

17 April 2003 (17.04.2003) U

(71) Applicant (for all designated States except US): A & A MFG. CO., INC. [US/US]; 2300 South Calhoun Road, New Berlin, WI 53151 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): O'ROURKE, James, D. [US/US]; N30 W2865 West Lakeside Drive, Pewaukee, WI 53072 (US). ECKDAHL, Cory, L. [US/US]; 775 S. Springdale Road, Waukesha, WI 53186 (US).
- (74) Agent: FRANZINI, John, D.; Quarles & Brady LLP, 411 E. Wisconsin Avenue, Milwaukee, WI 53202 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA; UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

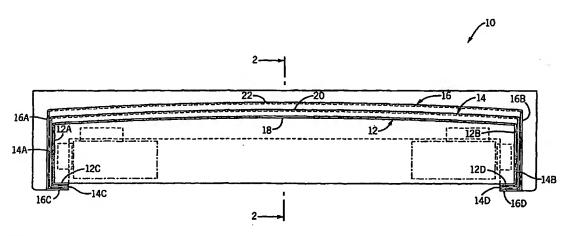
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WAY COVER IMPROVEMENTS



(57) Abstract: A way cover section is shaped with a continuous lateral arc by pre-stressing so that its top panel has a radius in its top panel from one side panel of the cover section to the other. A wiper at the leading edge of the cover sections that may also serve as a bumper. The wiper has an elastomeric wiper section at one end and an elastomeric bumper section at the other end, with an intermediate section of a harder and more lubricious material that fits on a rolled over edge of the cover section to which the wiper is attached.